RECORD

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✓ 7 MAY 1977. JAPAN. HONSHU. Pref. Shiga. En route from Ishiyama to Oiwake by way of Ushio shrine. East of Kyoto; Yamashina-ku of Kyoto City (Higashi-yama-ku). Forest of Pinus densiflora and planted Cryptomeria. with: DE Boufford, G. Murata, Uedd & M. Kato.

3659 Salix alopochroa Kimura Det. G Murata
3660 Quercus serrata Thunb.
3661 Lindera umbellata Thunb.
3662 Cryptomeria japonica (L.f.) D. Don planted
3663 Alnus pendula Matsum. Det. TS
3664 Lycopodium serratum Thunb. var. serratum
3665 Epigaea asiatica Maxim.
3666 Smilax china L. ?
3667 Helwingia japonica (Thunb.) F.G. Dietr.
3668 Pinus densiflora Sieb. & Zucc.

✓ 13 MAY 1977. JAPAN. HONSHU. PREF. KYOTO. Kyoto City, Yoshida-yama; trail to Inari shrine. Mixed Quercus evergreen forest.

3669 Corydalis incisa (Thunb.) Pers.
3670 Ilex macropoda Miq.
3671 Smilax china L.
3672 Vaccinium smallii A. Gray 1.7 m tall

3673 ~~Betula~~ Alnus sieboldiana Matsum. Det. TS
3674 Iseris dentata (Thunb.) Nakai Fls yellow
3675 Dryopteris erythrosora (Eaton) O. Kuntze
3676 Rhododendron macrosepalum Maxim.
3677 Abelia serrata Sieb. & Zucc.
3678 Evodiopanax innovans (Sieb. & Zucc.) Nakai

24 MAY 1977. JAPAN. HONSHU. PREF. NAGANO.
Chiisagata-gun. Sanada-cho. Kakuma Gorge.
950-1600 m. alt.

→ RSA 3679 Eupetelea polyandra Sieb. & Zucc.
3680 Sambucus racemosa L. ssp. sieboldiana (Miq.) Hara
3681 Salix integra Thunb. Det. TS Shrub, 3 m
→ RSA 3682 Helwingia japonica (Thunb.) F.G. Dietr.
3683 Zanthoxylum piperitum DC.
Rutaceae
3684 Acer japonicum Thunb.
3685 Fraxinus sieboldiana Blume
3686 Orixa japonica Thunb.
Rutaceae
3687 Kerria japonica (L.) DC.
3688 Prunus grayana Maxim.
RSA → 3689 Euonymus oxyphyllus Miq.
3690 Salix serissaefolia Kimura det. G. Murata Tree, 20-30 m
3691 Rhamnus japonica Maxim. var. parvifolia (Honda) Sugimoto
3692 Acer carpinifolium Sieb. & Zucc.

3693 Ribes maximowiczianum Komarov.
3694 Salix bakko Kimura Det. TS Shrub, 4 m
~~3695~~

25 MAY 1977. JAPAN. HONSHU. PREF. NAGANO.
Kurayu-yama en route from Maki to Manza Pass. 1300-1900 m alt.

✓ 3695 Larix kaempferi (Lamb.) Carriere
3696 Tsuga diversifolia (Maxim.) Masters
3697 Prunus ~~P~~ nipponica Matsumura
3698 ~~Euonymus~~ Staphylea bumalda DC.
3699 Rhododendron japonicum (A. Gray) Suringer
3700 Menziesia pentandra Maxim.
3701 Salix reinii Fr. & Sav. Det. TS
3702 Salix reinii Fr. & Sav. " "
3703 Morus australis Poir.
3704 Salix reinii Fr. & Sav. " "
3705 Menziesia pentandra Maxim.
→ RSA 3706 Coriaria japonica A. Gray

25 MAY 1977. JAPAN. HONSHU. PREF. NAGANO.
Yamada boku-jo (pasture). 1700 m alt.

3707 Rhododendron albrechtii Maxim.

✓ 25 MAY 1977. JAPAN. HONSHU. PREF. NAGANO. Matsu-kawa gorge. Takayama-mura, Kami-takai-gun. 1000-1300 m alt.

3708 Acer mono Maxim. var. connivens (Nichols.) Hara
3709 Ulmus laciniata (Trautv.) Mayr
3710 Stachyurus praecox Sieb. et Zucc.
3711 Prunus
3712 Salix
3713 Acer carpinifolium Sieb. & Zucc.
3714 Acer japonicum Thunb.
3715 Salix bakko Kimura Det. TS
3716 Euonymus oxyphyllus Miq.

✓ 27 MAY 1977. HONSHU. PREF. NIIGATA. Tsunan-cho. Nakawanuma-gun. Alt. ca. 500 m.

→ RSA 3717 Daphniphyllum macropodum Miq. subsp. humile (Maxim.) Hurusawa
3718 Lindera umbellata Thunb. var. membranacea (Maxim.) Momiyama
3719 Euonymus alatus (Thunb.) Sieb. f. ciliato-dentatus (Fr. et Sav.) Hiyama
3720 Juglans mandshurica Sieb Maxim. var. sieboldiana (Maxim.) Makino
3721 Acer rufinerve Sieb. et Zucc.
3722 Helwingia japonica (Thunb.) F.G. Dietr.
3723 Broussonetia kazinoki Sieb.
3721 a Lycopodium serratum L.

26 MAY 1977. HONSHU. PREF. NAGANO. Kockayawa at the SW foot of Naebayama. Shimominochi-gun. Alt. ca. 800 m.

4 3724 Stachyurus praecox Sieb. et Zucc.

26 MAY 1977. HONSHU. NAGANO PREF. Kiriake. Tsunami-cho. At SW foot of Mt. Naebayama Alt. ca. 950 m.

3 3725 Viburnum ~~plicatum~~ ~~Thunb.~~ furcatum Bl.

26 MAY 1977. Same as 3717.

1 3726 Rubus crataegifolius Bunge
3 3727 Rhododendron kaempferi Planch.
4 3728 Viburnum wrightii Miq.

26 MAY 1977. PREF. NIIGATA. Sakariguchi. Tsunan-cho. Nakawanuma-gun. Alt. ca. 500 m.

f. ciliato-dentatus (Fr. & Sav.) Hiyama
4 3729 Euonymus alatus (Thunb.) Sieb.
1 3730 Viburnum wrightii Miq.
5 3731 Gaultheria adenothrix (Miq.) Maxim.

27 MAY 1977. PREF. NIIGATA. Uno-tani-mura. Kitawanuma-gun. E foot of Mt. Komagadake. Elev. ca. 500 m. Thickets & waste places.

1 3732 Acer rufinerve Sieb. et Zucc.

8 3733 Alnus fauriei Lév. & Van. Det TS
4 3734 Menziesia ciliicalyx (Miquel) Maxim.
3 3735 Symplocos chinensis (Lour.) Druce var. lelococarpa (Nakai) Ohwi

28 MAY 1977. PREF. FUKUSHIMA. Sugiyama, Nishiaizu-cho, Yama-gun. S. foot of Mt. Iide. Alt. 400 m.

5 3736 Menziesia ciliicalyx (Miquel) Maxim.

✓

28 MAY 1977. PREF. FUKUSHIMA. Yaheshiro. Nishiaidzu-cho. Yama-gun. S. foot of Mt. Iide. Alt. 750 m. Fagus crenata forest.

→ RSA 3737 Aucuba japonica Thunb. var. borealis Miyabe et Kuda.
3738 Skimia japonica Thunb.
3739 Acer rufinerve Sieb. & Zucc.
3740 Viburnum ~~plicatum Thunb~~. furcatum Bl.
→ RSA 3741 Rhododendron albrechtii Maxim. fls pink-purple
→ RSA 3742 Magnolia salicifolia (Sieb. & Zucc.) Maxim.
→ RSA 3743 Hamamelis japonica Sieb. & Zucc. ~~var.~~ subsp. obtusata
3744 Fagus crenata Blume (Matsumura) Sugimoto
→ RSA 3745 Lindera umbellata Thunb. var. membranacea
3746 Ilex leucoclada (Maxim.) Makino (Maxim.) Momiyama

28 MAY 1977. PREF. NIIGATA. Kuriyama-zawa.

Tochio-shi. Alt. 400 m.

4 3747 Alnus fauriei Lév. et Van. Det TS
7 3748 Salix vulpina Andersson Det. G. Murata

29 MAY 1977. PREF. FUKUSHIMA. Yama-gun.
Nishiaidzu-cho. (1) Vicinity of Yaheshiro.
(2) Kuratani-zawa, alt. ca. 600 m.

(1) 3749 Aesculus turbinata Bl. f. pubescens (Rehd.) Ohwi
(2) 3750 Acer japonicum Thunb.
3751 Menziesia ciliicalyx (Miq.) Maxim.
(2) 3752 Rhododendron kaempferi Planchon
(=R. obtusum (Lindley) Planch. var. k. (Planch.) Wilson
30 MAY 1977. PREF. NIIGATA. ~~Vicinity of Koteki~~, ~~Ehor~~ Hijirigahana, Yoneyama, Kakizaki-cho, Nakakubiki-gun. Q dentata forest

(5) 3753 Eurya japonica Thunb.
(3) 3754 Rhamnus davurica Pall.
(6) 3755 Quercus dentata Thunb.
(4) 3756 Euonymus alatus (Thunb.) Sieb. f. ciliato-dentatus (Fr. & Sav.) Hiyama
31 MAY 1977. PREF. NAGANO. Vicinity of Matsumoto, Otari-mura, Kitaazumi-gun. Alt. 500-600 m.

Sugimoto

(5) 3757 Viburnum sieboldii Miq. var. obovatifolium

(4) 3758 Weigela hortensis (Sieb & Zucc.) Koch Det TS

(2) 3759 Helwingia japonica (Thunb.) F. G. Dietr.

31 MAY 1977. PREF. NAGANO. Otsumiyama-toge, N foot of Mt. Matsuo-yama, Otari-mura, Kitaazumi-gun. Alt. 1300-1500 m.

(1) 3760 Menziesia pentandra Maxim.

31 MAY 1977. PREF. NAGANO. Yu-toge, S foot of Mt. Amakazari-yama, Otari-mura, Kitaazumi-gun. Alt. 1275 m.

(13) 3761 Salix koriyanagi Kimura ? Det DEB

(7) 3762 Salix futura Seemen Det TS

1 JUNE 1977. PREF. NAGANO. Kamikochi

(2) 3763 Chosenia arbutifolia (Pall.) B.V. Skvortz.

2 JUNE 1977. PREF. GIFU. MT. NORIKURA. Yoshiki-gun. Alt. 2700 m.

(4) 3764 Pinus pumila Regel

2 JUNE 1977. PREF. GIFU. Near Hirayu-toge, Kamitakara-mura, Yoshiki-gun. Alt. 1000 m.

to

TS (4) 3765 Acer carpinifolium Sieb. & Zucc.

(4) 3766 Salix sachalinensis Fr. Schm. Det TS

(3) 3767 ~~Abies~~ Cephalotaxus harringtonia (Knight) K. Koch f. drupacea (Sieb. & Zucc.) Kitam.

2 JUNE 1977. PREF. GIFU Shinhodaka along Kushida river, Kamitakara-mura, Yoshiki-gun. Alt. 1200 m.

(4) 3768 Staphylea bumalda DC

✓

15 JUNE 1977. PREF. KYOTO. Kyoto City. Yoshida-yama, just east of Kyoto University

B

S

3769 Rhus trichocarpa Miquel

3770 Photinia glabra (Thunb.) Maximowicz

3771 Alnus pendula Matsum. Det TS

3772 Vaccinium japonicum Miq.

3773 Viburnum

3774 Pieris japonica (Thunb.) D. Don

3775 ~~Leucothoe~~ Lyonia ovalifolia (Wall.) Drude ssp. neziki Hara to 4-5 m

3776 Styrax japonica Sieb. & Zucc.

3777 Eurya japonica Thunb.

3778 Ilex pedunculosa Miq.

3779 Vaccinium oldhamii Miquel to 2 m

3780 Mallotus japonicus (Thunb.) Muell.-Arg.

3781 Callicarpa japonica Thunb.

3782 Rhamnus crenata Sieb. & Zucc.

19 JUNE 1977. PREF. KYOTO. Sakyo-ku Kyoto City. Tributary of Kita-shiro-gawa River. (北白川). SW side of Mt. Hiei-zan. Mixed forest of deciduous and broad-leaved evergreen trees.

4 3783 Vaccinium hirtum Thunb.
Frts 5-angled, winged

4 3784 Vaccinium japonicum Miq.

5 3785 Castanea crenata Sieb. & Zucc.

5 3786 Viburnum erosum Thunb.

5 3787 Castanea ~~crenata~~ mollissima Blume ~~Sieb. & Zucc.~~

7 3788 Hydrangea hirta (Thunb.) Sieb. & Zucc. Fls blue

5 3789 Sapium japonicum (Sieb. & Zucc.) Pax & Hoffm.
Milky sap

7 CHECK 3790 Acer palmatum Thunb.

4 3791 Juniperus rigida Sieb. & Zucc.

~~3792~~

24 JUNE 1977. TAIWAN. Tao Yuan County Yang-mei Dairy Station, Taiwan Livestock Research Institute, Yang mei. with C.I. Peng & C.F. Hsieh.

3792 Sapium sebiferum (L.) Roxb.

3793 Callicarpa formosana Rolfe

3794 Zanthoxylum nitidum (Roxb.) DC.

Lvs thorny underneath

3795 Symplocos paniculata (Thunb.) Miq.

3796 Evodia lepta (Spreng.) Merrill

Rutaceae

3797 Melastoma candidum D. Don

3798 Clerodendron cystophyllum Turcz.

3799 Wikstroemia indica C.A. Meyer

3800 Camellia (Thea) sinensis (L.) Ktze.

3801 Trema orientalis (L.) Blume

3802 Mallotus japonicus (Thunb.) Muell.-Arg.

3803 Acacia confusa Merr.

3804 Casuarina equisetifolia L.

3805 Breynia officinalis

✓ 27 JUNE 1977. Taiwan. ~~Hualien~~ - Nan Tow Counties. Vicinity of Hohuan Tunnel, along Highway 8. Elev. ca. 2500 m with C.F. Hsieh

3806 Ribes formosanum Hayata

3807 Deutsia taiwanensis (Maxim.) Schneider

3808 Gaultheria itoana Hayata

3809 Spiraea formosana Hayata

Fls pink

3810 Lonicera acuminata Wall. in Roxb.

3811 Coriaria intermedia Matsumura

3812 Stranvaesia niitakayamensis (Hayata) Hayata

3813 ~~Pisonia~~ Lithocarpus ternaticupula (Hayata) Hayata

3814 Vaccinium japonicum Miq. var. lasiostemon Hayata

25 JUNE 1977 TAIWAN Hualien County. Tayüling to Mt. Hohuan. Elev. ca. 2500 m - 3180 m. With C.F. Hsieh.

3815 Salix tagawana Koidzumi ?

3815a Salix fulvopubescens Hayata ?

3816 Hedera rhombea (Miq.) Bean var. formosana (Nakai) Li

3817 Pinus taiwanensis Hayata

3818 Spiraea morrisonicola Hayata
Fls pink

3819 Juniperus formosana Hayata
Shrub, ca. 2 m tall

3820 Viburnum dilatatum Thunb. s.l.
Det. T.R. Dudley 1981

3821 Eurya crenatifolia (Yamamoto) Kobuski

3822 Cotoneaster morrisonensis Hayata

3833 Elaeagnus thunbergii Serv.

3834 Rhododendron pseudochrysanthum Hayata
Evergreen

3825 Sorbus randiensis (Hayata) Koidzumi

3826 Stranvaesia niitakayamensis (Hayata) Hayata
Rosaceae. Small tree
3827 Rhododendron lasiostylum Hayata

29 JUNE 1977. TAIWAN. Hualien County.
Hohuan Tunnel, along Highway 8. Elev.
ca. 2500 m. With C.F. Hsieh.

4 3828 Rhododendron ~~lasiostylum Hayata~~
rubropiloseum Hayata
4 3829 Pinus armandii Franch. var. mastersiana Hayata

✓ 1 JULY 1977. TAIWAN ILAN COUNTY.
Yuen-yang Lake Natural Reserve. Elev.
1650 m. With M. J. Lai

3830 Rhododendron formosanum Hemsley

3831 Ardisia japonica (Hornsted) Blume
~~Ericaceae~~
3832 Illicium philippinense Merrill

3833 Lonicera acuminata Wall. in Royl.

3834 Skimmia japonica Thunb.

3835 Viburnum furcatum Blume

3836 Symplocos lucida (Thunb.) Sieb. & Zucc.

3837 ~~Eurya~~ acuminata DC.
Symplocos

3838 Ternstroemia gymnanthera (Wight & Arn.) Sprague

3839 Vaccinium bracteatum Thunb.

3840 Hydrangea paniculata Siebold

3841 Viburnum taiwanianum Hayata

1 JULY 1977. TAIWAN. Ilan County.
Vicinity of Chi-Lan Forest Station.
Elev. ca. 350 m. With M.J. Lai.

3842 Clerodendron trichotomum Thunb.

3843 Pouzolzia elegans Wedd. var. formosana Li
Stub. Urticaceae.

3844 Solanum biflorum Lour.
Solanaceae

8 JULY 1977. TAIWAN. ILAN COUNTY. From
Chi-Lan Forest Station to Yuan-yeng
Lake Natural Reserve. 350 - 1500 m.
With M.J. Lai.

3845 Litsea cubeba (Lour.) Pers. ?

3846 Actinidia arisanensis Hayata

4 3847 Hydrangea scandens (L.f.) Seringe
subsp. chinensis (Maxim.) McClintock

3 3848 ~~Rhamnus~~ Berrettetia arisanensis Hayata

6 JULY 1977. TAIWAN. Taipei County.
~~Mosh~~ Meng huanhu. Elev. ca. 800 m.

3849 Sarcandra glabra (Thunb.) Nakai

3850 Wendlandia formosana Cowan

3851 Ardisia crispa (Thunb.) DC. var. dielsii Walker

3852 Symplocos paniculata ~~Wall. ex~~ (Thunb.) Mig.

3853 Gaultheria cumingiana Vidal

3854 Mussaenda parviflora Mig.

3855 Euscaphis japonica (Thunb.) Kanitz

3856 Trochodendron aralioides Sieb. & Zucc.

✓

25 JULY 1977. JAPAN. Pref. Hyogo. Yabu-gun, Sekinomiya-cho. En route from Hukusida to the NE foot of Mt. Hyonosen Elev. ca. 550 m.

3857 Actinidia polygama (Sieb. & Zucc.) Maxim.
Fruits often infected with galls

3858 Euptelea polyandra Sieb. & Zucc.

3859 Meliosma tenuis Maxim.

3860 Euonymus alatus (Thunberg) Siebold

3861 Salix gracistyla Miq. Det. TS
Small tree, ca. 2 m. appeared cut back

3862 Salix sachalinensis Fr. Schum. Det. G. Murata

3863 Salix gracistyla Miq. Det. TS
Small tree, ca. 2 m; appeared cut back

3864 Xanthoxylum piperitum (L.) DC.
Rutaceae

✓

26 JULY 1977 Japan. Pref Hyogo Same as 3857. Elev. ca. 600 m.

3865 Acer japonicum Thunberg

3866 Cornus controversa Hemsley

3867 Weigela hortensis (Sieb. & Zucc.) K. Koch

3868 Salix koriyanagi Kimura . Det DEB
sm. tree, ca. 3m.

3869 Salix koriyanagi Kimura Det DEB
shrub, cut back, young shoots ca. 2 m.

3870 Viburnum dilatatum Thunberg

3871 Alnus pendula Matsumura Det DEB
ca. 6-7m. tall.

3872 Cornus brachypoda C.A. Meyer
tree

3873 ~~Ostrya~~ Carpinus cordata Blume
ca. 5 m. tall.

✓ 27 July 1977 Japan: Pref. Hyogo Same as 3857. Elev. ca. 600-700 m.

3874 Schisandra repanda (Sieb. & Zucc.) Radlk.

3875 Lindera umbellata Thunb.

3876 Viburnum
ca. 3 m tall

3877 Alnus hirsuta Turcz. var. sibirica (Fischer) C.K. Schn.
Det. DEB

3878 Daphniphyllum teijsmannii Zoll.

EB 3879 Viburnum

EB 3880 Ilex pedunculosa Miq.

3881 Hamamelis japonica Sieb. & Zucc.

EB 3882 Viburnum furcatum Bl.

3883 Tripetalia paniculata Sieb. & Zucc.

28 JULY 1977. JAPAN Ref. Hyogo. SAME AS 3857. Elev. ca. 550 m.

4 3884 Euonymus sieboldianus Bl.

29 JULY 1977. SAME AS 3857. Elev. ca. 550 m.

5 3885a Zanthoxylum schinifolium Sieb. & Zucc.

10 3885 Corylus sieboldiana Blume Det DEB

✓ 29 JULY 1977. JAPAN Ref. Hyogo. Mt. Hyonosen, en route from Hokusada to the summit. Sekinomiya-cho, Yabu-gun. Elev. 450 m ~ 1510 m. With D.E. Boufford & K. Iwatsuki.

3886 Stewartia pseudocamellia Maxim.

3887 ~~Daphephyllum~~ Ilex

3888 Acanthopanax sciadophylloides Fr. & Sav.

Araliaceae

3889 Lindera umbellata Thunb.

3890 ~~Rhamnus~~ Ilex geniculata Maxim.

3891 Skimmia japonica Thunb.

3892 Tilia japonica (Miq.) Simonk.

3893 Tripetalea paniculata Sieb. & Zucc.

3894 Symplocos

3895 Hydrangea

3896 Tripterygium regelii Sprague + Takeda

3897 Salix sieboldiana Blume det. G. Murata

3898 Clethra barbinervis Sieb. + Zucc.

7 August 1977 PREF. NAGANO. Mt. Nyo-gasa. Suwa-gun, Fujimi-cho. w/ T. Shimizu.

5 3899 Fagus ~~japonica~~ crenata Bl.

7 August 1977. PREF. NAGANO. Hiraoka, Fujimi-cho, Suwa-gun. Roadside. w/ T. Shimizu

1 3900 Hyphear tanakae (Fr. + Sav.) Hosokawa
Parasitic on Zelkova serrata
7 August 1977. PREF. NAGANO.

4 3901 Lindera obtusiloba Bl.

17 August 1977. HOKKAIDO. Roadside; Rte. 36, 13.5 mi ENE of Tomakomai Between Chitose & Tomakomai.

3902 Betula platyphylla Sukatschev var. japonica (Miq.) Hara

3903 Spiraea salicifolia L.
Fls pink

3904 Salix integra Thunberg Det DEB

3905 Lespedeza bicolor Turcz.
Fls pink to purple
3906 Alnus japonica (Thunb.) Steudel Det DEB

✓ 19 August 1977. Hokkaido. Prov Hidaka.
Shizunai-cho. Ca. 14 km ENE of Shizunai, off Highway 235 Mixed deciduous streamside forest on tributary of the Shizunai River.

3907 Salix rorida Lacksch. Det. G. Murata
Ca. 4 m tall. Shrub or small tree

3908 Actinidia polygama (Sieb. & Zucc.) Maxim.

3909 Staphylea bumalda (Thunb.) DC.

3910 Viburnum dilatatum Thunb.

3911 Stephanandra incisa (Thunb.) Zabel.
Rosaceae

✓ 20 August 1977. Hokkaido. Prov. Hidaka.
Mixed deciduous streamside forest; 8 km N of Highway 236 at Samani. Samani-cho, Samani-gun, Okada.
3912 Alnus hirsuta Turcz. Det. DEB
Tree

3913 Salix petsusu Kimura Det DEB
5m tree, 4-5 m. Lvs. silky beneath

3914 Salix hultenii Floderus Det DEB
5m tree. Lvs pubescent whitish beneath

3915 ~~Salix~~ Salix gracistyla Miq. Det DEB
Shrub. Lvs silky beneath

3915a Celastrus orbiculatus Thunb.
22 August 1977. Hokkaido. Prov. Tokachi
Urahoro-cho. 10.2 km west of Tokachikobetsu on Highway 38. Streamside forest of Acer, Ulmus, Fraxinus & Salix.

5 3916 Salix hultenii Floderus Det DEB
Tree.
22 August 1977. Hokkaido. Prov

8 3917 [illegible]
Rosaceae?

22 August 1977 Hokkaido Prov Tokachi. Between Urahoro and Toyokoro on Highway 38.

8 3918 Alnus japonica (Thunberg) Steudel

✓ 25 August 1977 Hokkaido. Prov. Abashiri.
Streamside forest; near the ~~north~~ west entrance
to Akan National Park along Highway 240.
Along the Abashiri River.

3919 Acanthopanax senticosus (Rupr. + Maxim.) Harms

3920 Acer japonicum Thunb.

3921 Acer ukurunduense Trautv. + Mey.

3922 Euonymus macropterus Rupr.

3923 Acer palmatum Thunb.

3924 Sorbaria sorbifolia L. var. stellipila Maxim.

3925 Actinidia ? kolomikta (Rupr. + Maxim.) Maxim.

25 August 1977. Hokkaido. Prov
Roadside; Akan National Park

5 3926 Tilia japonica (Miq.) Simonk.

26 August 1977. Hokkaido. Prov. Abashiri. Abashiri-gun, Tsubetsu-cho.
Lake Chimikeppu. SW of Tsubetsu, W of Honki.
5 3926 a Acer palmatum Thunb. NW end of lake.

27 AUGUST 1977 HOKKAIDO. PROV. Abashiri
Mombetsu City. Mt. Ōayama (Mombetsu-yama).

3 3927 Schizandra chinensis (Turcz.) H. Baill.

27 AUGUST 1977 HOKKAIDO. PROV. Abashiri.
Yubetsu cho. 1.6 km east of Engaru-cho
along Highway 147 Mixed deciduous
streamside forest of Cercidiphyllum,
Acer, Ulmus, Juglans.

4 3928 Cornus
5m tree, ca 10 m tall

11 3929 Cercidiphyllum japonicum Sieb. & Zucc.

27 AUGUST 1977. HOKKAIDO. PROV.
Tokachi. Just south east of Mt. Horoiwa along Highway
238 Swamp, southwest of Lake Saroma.

6 3930 Quercus mongolica Fischer ex ~~Turcz.~~ Ledebour

7 3931 Populus ~~sieboldii~~ Miq.

✓ 28 AUGUST 1977. HOKKAIDO. PROV. ABASHIRI.
Okoppe-cho.
15.9 km northeast of Nishiokoppe along

Highway 239. Riverside forest along the Okoppe River.

3932 Acer mono Maxim.

3933 Salix petsusu Kimura Det DEB
5m tree, ca 6 m tall Lvs silky pubescent beneath

3934 Salix gracistyla Miq. Det DEB
5m tree, ca 6 m tall. Lvs silky pubescent beneath

3935 Populus maximowiczii Henry det. DEB
Tree, 6-12 m tall

3936 Salix petsusu Kimura Det. G. Murata
5m tree, ca 6 m tall. Lvs silky beneath

3937 Salix sachalinensis Fr. Schum. Det. G. Murata
5m tree. Lvs glaucous beneath

28 August 1977. Hokkaido. Prov. Abashiri. Highway 239 at the Sekohashi Bridge, along the Okoppe River. Streamside forest.

10 .3938 Salix
(Toisusu urbaniana (Seemen) Kimura Det DEB

29 August 1977. Hokkaido. Prov. Rumoi. Horonobe-cho. Hokkaido University Experimental Forest at Toikambetsu.

3 3939 Acer mono Maxim.

4 3940 Alnus maximowiczii Callier Det. DEB
Over serpentinitic soils

2 3941 Ledum palustre L. var. diversipilosum Nakai

31 AUGUST 1977 HOKKAIDO. PROV. KAWAKAMI
Otoineppu-mura HIGHWAY 40 just WNW of Osashima,
at the border of Nakagawa-cho
and Otoineppu-mura
Mixed deciduous streamside forest of
Cercidiphyllum, Alnus, Acer, Quercus,
Tilia

2 3942 Cercidiphyllum japonicum Sieb. + Zucc.

6 3943 Tilia japonica (Miq.) Simonk.

9 3944 Alnus maximowiczii Callier Det. DEB
(=A. viridis (Villars) Lam. & DC ssp. m. (Callier) Hulten)
W edge of Shibetsu
City. 6 km east of Soeushinai. Temporary
Game Preserve of Hokkaido. Elev. ca. 280 m.
Mixed forest of conifers, Betula, Quercus,
Acer, Alnus, etc.
Corylus sieboldiana Blume

japonicum Thunb.

platyphylla Sukatschev
var. japonica (Miq.) Hara

3949 Alnus hirsuta Turcz.

mongolica Fisch. var. grosseserrata
(Bl.) Rehd. + Wils.

1 SEPT. 1977. HOKKAIDO. PROV. RUMOI
Roadside; en route from ~~Shakuma~~ Shaguma to
Hokuryu on Highway 863.

8 3951 Betula maximowicziana Regel

2 SEPT. 1977. HOKKAIDO. PROV. SORACHI.
Ashibetsu-city. Along the ~~Ashibetsu~~ Hachigatsu River (tributary of the Ashibetsu R.), off Highway 738,
ca. 25 km south of Highway 38. South of
Ashibetsu

6 3952 Euonymus oxyphyllus Miq.

4 3953 Maackia amurensis Rupr. + Maxim.
var. buergeri (Maxim.) C.K. Schn.

6 3954 ~~Ostrya~~ Carpinus cordata Bl.

5 SEPT. 1977. HOKKAIDO, PROV Ishikari. Sapporo City. Side of Mt. Teine, elev. ca. 10-150 m.

3955 Salix

3956 Picrasma quassioides (D.Don) Benn.

3957 Salix matsudana Koidzumi cv. tortuosa

3958 Salix

3959 Clerodendrum trichotomum Thunb.

5 SEPT 1977. JAPAN. HONSHU. Pref. Miyagi. Mt Fubō, Namari-zawa. Alt. ca. 550 m. Mixed deciduous streamside forest.

2 3960 Salix

1 3961 Quercus monoplica Fisch. var. grosse-serrata (Bl.) Rehd. + Wils.

5 3962 Quercus serrata Thunb.

9 SEPT. 1977. JAPAN. HONSHU. PREF. YAMAGATA. Higashine City. Makino, en route to kurotaki. 0.2 km W of Highway 48 on road to Higashine, then NE on small road to kuro-taki for 53-57 km. Roadside.

7 3963 Alnus fauriei Lév.

4 3964 Boehmeria nivea (L.) Gaud. subsp. nipononivea (Koidz.) Kitamura

11 SEPT. 1977. JAPAN. PREF. Miyagi, Matsushima-cho Tomiyama

8 3965 Buckleya lanceolata (Sieb. & Zucc.) Miq.

2 3966 Circaea mollis Sieb. & Zucc.

11 SEPT. 1977. JAPAN. HONSHU. PREF. MIYAGI Matsushima-cho. W side of Mt. Otakamori Ca. 3 m alt. Mixed broad-leaved forest.

6 3967 Styrax japonica Sieb. + Zucc.

1 3968 Tricyrtis

✓

11-12 August 1977 Honshu Pref. Nagano.
Lin route from Mt Jonen (2740 m) to Mt. Chō-gu-dake (2,650 m) to
Mitsumata (1500 m)

3969 Sorbus sambucifolia (Cham. + Schltdl.) Roem.

3970 Sorbus matsumurana (Makino) Koehne

3971 Salix

3972 Prunus nipponica Matsum.

3973 Phyllodoce aleutica (Spreng.) A. Heller

3974 Betula ermanii Cham.

3975 Alnus

3976 Vaccinium smallii A. Gray

3977 Viburnum

3978 Ilex Creeping rugosa F. Schmidt.

3979 Gaultheria miqueliana Takeda

3980 Tripetelea bracteata Maxim.

3981 Phyllodoce nipponica Makino

3982 Acer tschonoskii Maxim.

3983 Ilex crenata Thunb.
(eglandular)

3984 Lonicera tschonoskii Maxim.

3985 Salix

3986 Euonymus planipes (Koehne) Koehne

3987 Leucothoe grayana Maxim.
var. oblongifolia (Miq.) Ohwi

3988 Vaccinium ovalifolium J. E. Smith

3989 Salix

26 April 1979. Grayson Co, VA. U S rte 21, 4 2 mi N of U.S. route 58 (in Independence, Va.) Wet rock face and moist slope below. Elevation ca. 3000 ft. (90 [illegible])

3990 Umbilicaria

On wet rock face

3991

(moss) Moist to wet slope

27 April 1979. Watauga Co., NC Rich Mountain N of Boone. 36° 14' N, 81° 43' W. Rich mixed hardwood slope. Ele[illegible]

3992

thallose lichen

3993

moss - on rock

28 April 1979. Halifax Co., VA. U.S Rte 501 at the Roanoke (Staunton) River, at the Halifax Co. - Campbell Co. line. Alluvial floodplain and adjacent hardwood slope on the W side of the highway.

(1) 3994 Asimina triloba (L.) Dunal.

3995 Aesculus octandra Marshall
Tree, ~ 9-10" DBH

9 3996 Acer negundo L.

3996-a Staphylea trifolia L.

(24)

29 April 1979 Stanly Co., NC. Off NC rte. 49 0.1 mi N on Co. Rd. 1502, then 0.9 mi ENE on Co. Rd. 1505. Just E of Richfield, NC. Disturbed area, stream edge and adjacent recently-logged pine-oak slope

3 3997 Comandra umbellata (L.) Nuttall

3 3998 Amsonia tabernaemontana Walt.

3 3999 Amorpha schwerini Schneider

15 4000 Viburnum rufidulum Raf.

30 April 1979. Emanuel Co., GA. U.S route 1, (1 2 mi) 19 km N of Interstate 16. N of Oak Park. Low, wet drainage ditch and adjacent shrub border & turkey oak-longleaf pine woods.

3 4001 Pinus palustris Miller

3 4002 Quercus laevis Walt.

3 4003 Stillingia sylvatica Garden

8 4004 Lyonia lucida (Lam.) K. Koch

6 4005 Gaylussacia frondosa (L.) T. & G.
var. tomentosa Gray

3 4006 Vaccinium corymbosum (Gray) Porter Det DeB

1 4007 Leucothoe racemosa (L.) Gray

1 4008 Sorbus arbutifolia (L.) Heyn. var.
arbutifolia

1 4009 Gaylussacia dumosa (Andrz.) T. & G.

30 April '79 EMANUEL Co., GA. U.S. route 1 at
(21) the Ohoopee River; S side of the
river. Road along bottomland forest

4010 Viburnum obovatum Walt.

4 4011 Vaccinium elliotti Chapman

4012 Amorpha

2 4013 Rhododendron canescens (Michx.) Sweet

2 4014 Wisteria frutescens (L.) Poir.

3 4015 Styrax americana Lam.

(5) 2 MAY 1979. ALACHUA CO., FLA. Woods adjacent to Diamond Village Apts., off US Rte. 441 in Gainesville.

5 4016 Cinnamomum camphora (L.) Nees & Ebermaier

(5) 2 MAY 1979. ALACHUA CO., FLA. 0.8 mi W of Fla. State Rte. 232 on State Rte. 26. Swamp forest edge.

5 4017 Itea virginica L.

(8) 2 MAY 1979. ALACHUA Co, FLA. Jct. of Co. Rd. 325 and Stat Rte. 26. Margin of Pinus - Serenoa flatwoods.

3 4018 Vaccinium myrsinites Lam.
2-3 dm tall

2 4019 Asimina x naishii Kral (A. incarna x A. longifolia) Det. DEB
2-3 dm tall

2 4020 Ilex glabra (L.) Gray

1 4021 Lyonia ferruginea (Walt.) Nutt.

(10) 2 MAY 1979. Putnam Co., Fla. 0.9 mi W of State Rte. 21 on State Rte. 20. Oak-pine flatwoods.

5 4022 Vaccinium arboreum Marshall

3 4023 Smilax laurifolia L.

2 4024 Stillingia sylvatica L.

(10) 2 MAY 1979 PUTNAM Co., FLA. 6.7 mi. E of State Rte. 21 on State Rte. 20, at the edge of the town of Interlachen. Turkey oak- Ceratiola flatwoods.

7 4025 Cerathola ericoides Michx.

3 4026 Asimina incarna (Bartram) Exell
(= A. speciosa Nash sensu Kral) Det. DEB
(12) 3 MAY 1979. FRANKLIN Co., FLA.
Apalachicola National Forest. 1.8 mi S of the Liberty Co. line on State Rt. 65, S of Sumatra. Edge of moist sandy depression and adjacent flatwoods.

1 4027 Gaylussacia mosieri Small

5 4028 Nyssa ursina Small

4 4029 Cliftonia monophylla (Lam.) Sarg.

2 4030 Asimina longifolia Kral

(7) 3 MAY 1979 LIBERTY Co., FLA. 4.9 mi N of SR 65 on State Rte. 12. Fire-maintained savannah.

3 4031 Gaylussacia mosieri Small
3 dm high

4 4032 Gaylussacia mosieri Small
0.5 m tall ?

(32)

4 MAY 1979 GULF Co., FLA. (7.7 mi) 12.3 km N of Fla. Co. Rd. C-387, North of White City. Newly cleared field, adjacent swamp forest, and burned-over pine savannah.

10 4033 Stillingia aquatica Chapm.

SF

5 4034 Conradina canescens (T. & G.) A. Gray

Mint - PS

4 4035 Sorbus arbutifolia (L.) Heyn. var arbutifolia

SF

5 4036 Ilex glabra (L.) Gray

8 4037 Hypericum fasciculatum Lam.

<1 m tall (0.4-0.8 m) PS

(12) 4 MAY 1979. GULF Co, FLA. West Arm Creek at Fla. Rte. 71. N side of the town of Wewahitchka, 4.9 mi S of the Calhoun Co. line. Swamp forest edge.

3 4038 Nyssa ogeche Marshall

staminate plant

4 4039 Nyssa ogeche Marshall

Pistillate plant

5 4040 Daubentonia punicea (Cav.) DC.
Fls. brilliant orange-red

(18) 4 MAY 1979 CALHOUN Co., FLA. Fla. Rte. 71, 10.4 km/6.5 mi) N of the Gulf Co. line, at swamp drainage pipe. Swamp forest margin.

4 4041 Vaccinium elliottii Chapman
~2 m tall

4 4042 Lyonia ferruginea (Walt.) Nutt.

1 4043 Diospyros virginiana L.

4 4044 Nyssa ogeche Marshall
Staminate plant Tree to 30-40 ft.

5 4045 Nyssa ogeche Marshall
Pistillate plant

(23) 4 MAY 1979. LIBERTY Co., FLA. 1.8 km (1.1 mi) N of Fla. Rte. 12 on Co Rd. C-271. Turkey oak-pine woods, dry and mesic hammocks.

10 4046 Sebastiania ligustrina (Michx.) Muell. Arg.

8 4047 Itea virginica L.

5 4048 Conradina glabra Shinners det. DEB
Mint - Fls pale purple

(15) 5 MAY 1979 CALHOUN Co., FLA. Fla. Rte. 20, 1.9 mi E of Fla. Rte. 275 and 3.3 mi E of the Chipola River. E of Clarksville. Nyssa sylvatica var. biflora - Taxodium ascendens swamp.

1 4049
Lichen

2 4050 Ilex cassine L. var. myrtifolia (Walt.) Sarg.
2-3 m tall

3 4051 Stillingia aquatica Chapm.

4 4052 Nyssa sylvatica Marsh. var. biflora (Walt.) Sargent

5 4053 ~~Pteris~~ phillyreifolia (Hooker) DC

(26) 5 MAY 1979. CALHOUN Co., FLA. Fla. Rte. 73 at Ten Mile Creek, 5.4 km (3.4 mi) S of Fla. Rte. 274. Streamside forest and adjacent turkey oak - pine woods.

5 4054 Gaylussacia dumosa (Andrz.) T. & G.

3 4055 Cliftonia monophylla (Lam.) Sarg.

4 4056 Amelanchier arborea (Michx. f.) Fern det DEB

4 4057 ~~Stitt~~ Sebastiania ligustrina (Michx.) Muell-Arg.

4 4058 Vaccinium arboreum

1 4059 Magnolia grandiflora L.

2 4060 Leucothoe racemosa (L.) Gray

1 4061 Nyssa ogeche Marshall

2 4062 Vaccinium myrsinites Lam.
2-3 dm tall

4063
Moss

4064
Moss

3 4065 Kalmia latifolia L.

(12) 6 MAY 1979. RUSSELL Co., ALA. Ala. Rte. 165 immediately N of Russell Co. Rte. 12. S of Cottonton. Mesic hardwood slope of Fagus - Liriodendron - Quercus and adjacent stream edge.

EB

4 4066 Rhododendron canescens (Michx) Sweet
Sweet smelling

6 4067 Euonymus americanus L.

1 4068 Lonicera sempervirens L.

1 4069 Asimina parviflora (Michx.) Dunal
1 m tall

(15) 6 MAY 1979. CLAY Co., GA. 1.2 mi S of the Quitman Co. line on Ga Rte. 39. North of George T. Bagby State Park. Low field and adjacent woodland margin.

6 4070 Lonicera japonica Thunb.

9 4071 Myrica cerifera L. var. cerifera

(11) 6 MAY 1979. CLAY Co., GA. Ga. Rte. 39 at Kolomoki Creek. S of Fort Gaines. Mixed pine-hardwood forest of coastal plain and piedmont elements.

6 4072 Alnus serrulata (Ait.) Willd.

5 4073 Vaccinium arboreum Marshall

(8) 7 MAY 1979. HARALSON Co., GA. US Rte 27 at the Tallapoosa River. N of Buchanan. Riverside forest.

4 4074 Liriodendron tulipifera L.

1 4075 Amelanchier arborea (Michx.f.) Fern. var. arborea

3 4076 Leucothoe racemosa (L.) Gray

(22) 7 MAY 1979. HARALSON Co., GA. 2.4 km (1.5 mi) off US Rte 27 at the Tallapoosa River on unmarked dirt road. N of Buchanan, 4.3 km 2.7 mi S of the Polk Co. line. Cut-over mixed oak-pine forest (Q. falcata, Q. coccinea, Q. stellata). Shrub layer of Vaccinium vacillans & Nestronia.

4077 Rhododendron canescens (Michx.) Sweet

4078 Nestronia umbellula Raf.

4079 Vaccinium vacillans Torr.

4080 Vaccinium stamineum L. var. melanocarpum Mohr.

(12) 7 May 1979. Floyd Co., GA. Old road bed adjoining US Rte. 27, 1.3 mi S of the Chattooga Co line N of Rome. Wet cliff face and rocky slope.

4081 Kalmia latifolia L.

4082 Euonymus americanus L.

4083 Acer saccharum Marshall ssp. saccharum

(6) 7 May 1979. DeKalb Co., Ala. 0.6 mi N of Co. Rd. 89 (road to DeSoto State Park) on unpaved road. E of Fort Payne. Oak-pine forest w shrubby understory.

4084 Chionanthus virginicus L.

(28) 8 May 1979. DEKALB Co., ALA. Yellow Creek, (Stan) 0.3 mi N of Ala. Rte. 35 on dirt road extension of Ala. Dekalb Co Rd. 78 (road to Adamsburg). E of Fort Payne. Rock outcrop.

5 4085 Pinus virginiana Miller

2 4086 ~~Anisostichus~~ Bignonia capreolata L.

10 4087 Chionanthus virginicus L.

5 4088 Amelanchier arborea (Michx. f.) Fern. var. arborea

4 4089 Crataegus viridis L.

(14) 8 May 1979. JACKSON Co, ALA. 2.0 mi E of Ala. Rte. 71 on Ala. Rte. 40. W of Henagar. Bottomland forest (Nyssa-Liriodendron Liquidambar) and adjacent field.

4 4090 Sorbus arbutifolia (L.) Heyn. var. arbutifolia

10 4091 Styrax americana Lam.

(5) 9 MAY 1979. MURRAY Co., GA. Ga. Rte. 52 - US Rte. 76 at Murray Co. milepost 9 E of Chatsworth, 5.0 mi W of road to Fort Mountain State Park. Chattahoochee National Forest. Dry hardwood slope.

6 ~~4092 Nyssa~~ VOID

7 4093 Vaccinium ~~4093 Vaccinium~~ atrococcum (Gray) Porter

4 4094 Cornus florida L.

1.9 km

(21) 9 MAY 1979. GILMER Co., GA. (1.2 mi) S of Mulberry Gap (at the Mulberry Co. line) on Forest Service Rd. 18 Slope and streamside forest along Little Conasauga Creek.

5 4095 Calycanthus floridus L. var. floridus

7 4096 Pyrularia pubera Michx.

1 4097 Xanthorhiza simplicissima Marshall

9? 9 MAY 1979 MURRAY Co., GA. 0.5 mi NNW of the Gilmer Co. line on Forest Service Road 18.

4098 Vaccinium stamineum L. var. melanocarpum Mohr.

4099 Morus ~~alba~~ rubra L.

(12) 9 MAY 1979. MURRAY Co., GA. 2.0 mi WNW of the Gilmer Co. line on FS Rd. 18.

5 4100 Viburnum ~~dentatum~~ acerifolium L.

2 4101 Calycanthus floridus L. var. floridus

5 4102 Pyrularia pubera Michx.

9 MAY 1979. MURRAY Co., GA. 0.7 mi E of Holly Creek on Forest Service Rd. 18. Rocky slope.

1 4103 Rhododendron minus Michx.

(34) ✓ 9 MAY 1979. MURRAY Co., GA. (8.5 km) 5.3 mi E of US Rte 411 on Ga. Rte. 2 (Forest Service Rd. 16). E of Cisco. Dry mixed oak-pine woods.

4 4104 Rhododendron nudiflorum (L.) Torr.

3 4105 Sorbus arbutifolia (L.) Heyn. var. arbutifolia

4106 ~~Leucothoe racemosa~~ (L.) Gray
Lyonia ligustrina

1 4107 Vaccinium stamineum L. var. stamineum

4108 Gaylussacia baccata (Wang.) K. Koch

1 4109 Vaccinium constablaei Gray

4110 Vaccinium hirsutum Buckley

4111 Cypripedium acaule Aiton

3 4112 Magnolia ~~acuminata~~ tripetala L.

4113 Calycanthus floridus L. var. floridus

10 May 1979 Murray Co., GA. ~~0.5~~ 4.7 mi. E. of US Rt. 411 on Co. Rd. 165 (road to Crandall), then 3.7 mi. on Forest Service Rd. 630 (Mill Creek), Cohutta Wildlife Management Area, Chattahoochee National Forest.

(6) 9 MAY 1979. MURRAY Co., GA. 7.6 mi E of US Rte 411 on Ga. Rte. 2 (Forest Service Rd. 16). E of Cisco. Mixed hardwood N-facing slope.

4 4114 Lindera benzoin (L.) Blume

2 4115 Asimina triloba (L.) Dunal

(14) 10 MAY 1979. MURRAY Co., GA. ~~47~~ 0.5 mi E ~~of~~ of US Rte. 411 on Co. Rd. 165 (road to Crandall), then 4.7 mi on FS Rd. 630 (Mill Creek). Cohutta Wildlife Management Area. Chattahoochee National Forest.

13 4116 Rhododendron minus Michx.

(3) 10 MAY 1979. MURRAY Co., GA. 0.5 mi E of US Rte. 411 on Co. Rd. 165 (road to Crandall), then 7.0 mi on For. Ser. Rd. 630 (Mill Creek). CWMA, CNF.

3 4117 Magnolia fraseri Walt.

(13) 10 MAY 1979. (Same as direct opposite, prev pg)

4118 Aesculus
large tree; (possibly planted) DB says no!

4119 Evonymus americanus L.

4120 Cercis canadensis L.

4121 Carpinus caroliniana Walt.

4122 Rhamnus caroliniana Walt.

4123 Viburnum ~~dentatum~~ acerifolium L.

~~4124 Calycanthus~~

(4) 10 MAY 1979 Polk Co, TENN. 2.2 mi ~~mi~~ NW of the Ga. state line on Forest Service Rd. 16. Cherokee National Forest.

4124 Calycanthus floridus L. var. floridus

(40) 11 May 1979 Macon Co., NC Mixed pine-Hardwood slope and adjacent stream along Forest Service road off NC Rte. 106 at the Ga. state line.

9 4125 Pyrularia pubera Michx.

12 4126 Xanthorhiza simplicissima Marshall

6 4127 Calycanthus floridus L. var. laevigatus

13 4128 Gaylussacia ursina (M.A. Curtis) T. & G. ex Gray

(15) 11 May 1979. Rabun Co., GA. Mixed cove hardwood forest, along Forest Service road off NC Rte. 106 at the NC state line. 35° 00' N, 83° 20' W.

5 4129 Lindera benzoin (L.) Blume

4 4130 Hamamelis virginiana L.

4 4131 Pyrularia pubera Michx.

2 4132 Calycanthus floridus L. var. laevigatus (Willd.) T. & G.

(14) 11 May 1979. Macon Co. NC NC Rte 106, ca. 4.2 mi SE of Co. Rd. 1620 (Turtle Pond Rd.) SE of Highlands. Elev. ca. 3600'. Roadside.

4133 Betula lenta L.

(11) 11 May 1979. Macon Co., NC. 0.2 mi. NE of Co. Rd. 1603 (Bull Pen Road) on Co. Rd. 1606 (Whiteside Cove Rd) NE of Highlands. Stream bank. 35°04' N. 83°09° W

10 4134 Leucothoe axillaris (Lam) D. Don var. editorum (Fern. & Schubert) Ahles

(5) 11 May 1979. Jackson Co, NC. 1.7 mi E of Co. Rd.

4135 Rhododendron calendulaceum (Michx.) Torr.

(8) 14 MAY 1979. TRANSYLVANIA Co., NC. 1.0 mi S of the Blue Ridge Parkway and the Haywood Co. line on NC Rte. 215. Open slope. 35° 19' N 82° [illegible] W Elev. ca. 5200'. 15[illegible]

8 4136 ~~Betula lenta~~ L.

(23) 14 MAY 1979. TRANSYLVANIA Co., NC. 3.8 km 2.4 mi off NC Rte 215 on Courthouse Creek Rd., 0.6 km 6.6 mi S of the Blue Ridge Pkwy. and the Haywood Co. line. Dry slope. 35° 17' N, 82° 5[illegible] W

14 4137 Gaylussacia ursina (M. A. Curtis) T. & G. ex Gray

6 4138 Rhododendron calendulaceum (Michx.) Torr.

2 4139 Pyrularia pubera Michx.

(4) 14 MAY 1979. TRANSYLVANIA Co., NC. 3.4 mi off NC Rte 215 on Courthouse Creek Rd., 6.6 mi S of the Blue Ridge Pkwy. and the Haywood Co. line. Mixed deciduous forest. [illegible] W Elev. ca. [illegible]

~~4113~~

4 4140 Acer pensylvanicum L.

(22) 14 MAY 1979. TRANSYLVANIA Co., NC.
6.1 km (3.8 mi) off NC Rte 215 on Courthouse Creek Rd., 6.6 mi S of the Blue Ridge Pkwy and the Haywood Co. line Streamside & adjacent mesic cove. 35°17'N, 82°53'W.

10 4141 Leucothoe axillaris (Lam.) D. Don var. editorum (Fern. & Schubert) Ahles

9 4142 Acer pensylvanicum L.

3 4143 Aesculus octandra Marshall

(5) 14 MAY 1979 TRANSYLVANIA Co., NC. 0.6 mi off NC Rte 215 on Courthouse Creek Rd., 6.6 mi S of the Blue Ridge Pkwy and the Haywood Co. line. Mixed deciduous forest & streamside.

2 4144 Arabis laevigata (Muhl. ex Willd.) Poir. var. laevigata

3 4145 Fagus grandifolia Ehrh.

(B). 15 May 1979. Avery Co., NC. 10.5 mi E of US Rte. 221 on Co. Rd. 1514 (Edgemont Rd.). ~~N~~ S side of Grandfather Mountain. NE of Linville. Xeric hardwood-mixed heath slope. 36°05' N, 81°50' W Elev.

7 4146 Vaccinium constablaei Gray

4 4147 Leucothoe recurva (Buckley) Gray

5 4148 Symplocos tinctoria (L.) L'Her.

2 4149 Sassafras albidum (Nutt.) Nees

(A) 23 15 May 1979. Avery Co., NC. 1.9 mi E of US Rte. 221 on Co. Rd. 1514 (Edgemont Rd.). ~~N~~ SE side of Grandfather Mountain. NE of Linville. Mesic hardwood slope. 36°05' N

10 4150 Acer pensylvanicum L.
3 4150a Diphylleia cymosa Michx.
1 4151 Arabis laevigata (Muhl. ex Willd.) Poir. var laevigata
1 4151a Ansaema triphyllum (L.) Schott
3 4152 Botrychium virginianum (L.) Swartz

5 4153 Trillium erectum L. var. erectum

(42) 16 May 1979. WATAUGA Co., NC. Rich Mountain, NW of Boone. 36° 14' 12" N. Lat, 81° 42' 45" W. Long. Xeric N red oak-mixed heath slope. Elevation ca. 5000'. 16

6 4154 Crataegus flabellata (Bosc.) K. Koch

9 4155 Amelanchier arborea (Michx. f.) Fern. var. laevis (Wiegand) Ahles (=A. laevis Wieg.)

7 8 4156 Menziesia pilosa (Michx.) Jussieu

13 4157 Vaccinium constablaei Gray

2 4158 Acer pensylvanicum L.

5 4159 Salix humilis Marshall

(10) 16 May 1979 Johnson Co., Tenn. 2.2 mi S of the Va. state line on Tenn. Rte. 91. N of Laurel Bloomery. Streamside forest along Laurel Creek.

10 4160 Carpinus caroliniana Walt.

(31) 17 May 1979. WASHINGTON Co., VA.
8.8 km (5.5 mi) WSW of Va. Rte. 80 (Hayters Gap) on Va. Rte. 689 (Brumley Gap Rd.) Slope and marshy bottom.

5 4161 Lindera benzoin (L.) Blume

4 4162 Morus rubra L.

16 4163 Pyrularia pubera Michx.

4 4164 Carpinus caroliniana Walt.

2 4165 Magnolia tripetala L.

17 May 1979. SMYTH Co., VA. Va. Rte 91, 0.3 mi N of
(14) Va. Rte. 42, and 0.2 mi S of the Tazewell Co. line. N of Broadford. Rocky slope.

6 4166 Robinia pseudo-acacia L.

8 4167 Acer saccharum Marshall

(31) 17 MAY 1979 TAZEWELL Co., VA. Va. Rte. 91, 1.9 mi N of the Smyth Co. line. N of Broadford. Dry mixed oak-hickory slope.

1 4168 Rhododendron calendulaceum (Michx.) Torr.

3 4169 Acer pensylvanicum L.

5 4170 Rhododendron catawbiense Michx.

~~2~~ 4 4171 Vaccinium constablaei Gray
ca. 2 m tall

6 4172 Gaylussacia baccata (Wang.) K. Koch

4 4173 Vaccinium stamineum L. var. stamineum

2 4174 Vaccinium vacillans Torr.
" ca. 0.5 m tall

(5) 17 MAY 1979. TAZEWELL Co., VA. Va. Rte. 91, 36 mi N of the Smyth Co. line. N of Broadford. Xeric slope.

5 4175 Vaccinium constablaei Gray

(8) 17 MAY 1979. TAZEWELL Co., VA. Va. Rte. 91, 6.8 mi N of the Smyth Co. line, and 4.2 mi of Va. Rte. 604. Roadside bank

8 4176 Robinia boyntonii Ashe
Fls. pinkish-purple. Shrub, ca. 1.5 m tall.

(14) 18 MAY 1979. SMYTH Co., VA. 0.4 mi W of Va. Rte. 16 on unmarked gravel road along Walker Mountain Ridge. Jefferson National Forest. Dry mixed oak-hardwood slope. Elev. ca. 3400'.

10 4177 Acer pensylvanicum L.

2 4178 Vaccinium constablaei Gray

2 4179 Sassafras albidum (Nutt.) Nees

(16) 18 MAY 1979. Smyth Co., VA. Walker Mtn. at Va. Rte. 16. Jefferson National Forest, N of Hungry Mother

State Park. Dry mixed oak-hardwood slope. Elev. ca. 3400'. (1000 m)

6 4180 Rhododendron roseum (Loisel.) Rehd.

2 4181 Vaccinium constablaei Gray

2 4181a Aesculus octandra Marshall

(49) 19 MAY 1979. AMHERST Co., VA. 0.1 mi E of the Rockbridge Co. line and the Blue Ridge Parkway on US Rte. 60, then 0.5 mi on Forest Service Rd. 315. George Washington National Forest old logging road along dry, mixed oak-heath slopes.

7 4182 Gaylussacia baccata (Wang.) K. Koch

4+3 4183 Rhododendron catawbiense Michx.

15+4 4184 Vaccinium stamineum L. var. stamineum

15 4185 Menziesia pilosa (Michx.) Jussieu

6 4186 Vaccinium constablaei Gray

(8) 19 May 1979. Rockbridge Co., VA. 0.6 mi W of the Blue Ridge Parkway and the Amherst Co. line on US Rte. 60. Roadside picnic area and overlook

8 4187 Castanea pumila (L.) Mill.
Shrub, ca. 1½ m tall

(16) 19 May 1979. Rockbridge Co., VA. 0.2 mi S of US Rte 60 on Forest Service Rd. 105; 1.3 mi W of the Blue Ridge Parkway and the Amherst Co. line. Rocky slope.

8 4188 Menziesia pilosa (Michx.) Jussieu

4 4189 Vaccinium stamineum L. var. stamineum

1 4190 Vaccinium vacillans Torr.

3 4191 Gaylussacia baccata (Wang.) K. Koch

(20) 19 May 1979. Augusta Co., VA. At the intersection of US Rte. 250 and Va. Rte 715 along Va. Rte. 715. Roadside and adjacent streambank.

4 4192a Carex torta Boott

" 4192 Lonicera morrowii Gray

" 4193 Prunus serotina Ehrh.

" 4194 Acer rubrum L.

4 4195 Salix sericea Marsh.

(4) 19 MAY 1979. AUGUSTA Co., VA.
✓ ~~Ro~~ ~~20~~ 5.7 mi WSW of the summit of Reddish Knob Mt. on U.S. Forest Service Rd. 85 Ca. ~~1000~~ 1200 m elevation.
Rocky slope.

3 4196 Pieris floribunda (Pursh) B. & H.

~~19 MAY 1979.~~

4 4197 Acer pensylvanicum L.

" 4198 Prunus virginiana L.
4.7 mi WSW Rocky slope

(8) 19 MAY 1979. AUGUSTA Co., VA.
2.2 mi WSW of the summit of Reddish Knob Mt. on US Forest Service Rd. 85.

8 4199 Betula lenta L.

(16) 19 MAY 1979. PENDLETON Co., WVA.
Summit of Reddish Knob. Northern
red oak - Prunus pensylvanica forest.
Elev. ca.

10 4200 Prunus pensylvanica L.f.

6 4201 Ribes rotundifolium Michx.

(35) 22 MAY 1979. WESTMORELAND Co., PA.
0.8 mi NE of Pa. Rte. 31 on Pa. Rte.
381 North, Along Camp Run Stream
just N of Camp Run Rd. Donegal
Township. Dry deciduous woods and
streambank.

27 4202 Rhododendron nudiflorum (L.) Torr.
ca. 3 m tall. Fls pink. Light fragrance.

29 MAY 1979. WASHINGTON Co., PA. Carroll
Twp. 0.1 mi NW of Pa. Rte. 88 on PA
Rte 837. Near Maderia St., NW of
New Eagle. Disturbed strip-mine area.

49 4203 Robinia hispida L.

Fls pink; ovary hispid. Shrub, ca. 2-3 m

17 4204 ~~Salix~~ Robinia

Fls white; ovary hispid to glabrous shrub, ca. 2-3 m

Growing with R. hispida

53 4205 Salix interior Rowlee

Pistillate. Shrub ca. 1-1.5 m tall

51 4206 Salix interior Rowlee

Staminate. Shrub ca. 1-1.5 m tall

29 ~~22~~ MAY 1979. WESTMORELAND CO., PA. 3.4 mi W of Pa. Rte. 837 on Pa. Rte. 136. Disturbed area adjacent to stream.

50 4207 Prunus serotina Ehrh.

4 JUNE 1979. ALLEGHENY CO., PA. W of the corner of Pierce and Summerlea Sts., Squirrel Hill District, ~~Vacant lot beside garage at the W end of Ellsworth Ave.~~, Pittsburgh, PA. Vacant lot.

55 4208 Morus alba L.

48 4209 Philadelphus

Shrub ca. 2 m tall. Fls. white. Slightly fragrant.

(8) 7 JUNE 1979. ALLEGHENY Co, PA Forward Township. 2.4 km (1.5 mi) NW of the jct. with Pa. rte. 136 on Road 02239 along the Monongahela River; opposite the city of Monongahela. Roadside.

4211 ~~[illegible]~~ Prunus persica (L.) Batsch

(7) 7 JUNE 1979. ALLEGHENY Co., PA. Forward Township. 0.9 km NE of Pangborn Hollow Rd. on Rd. 02239; SE of the city of Elizabeth. Mixed deciduous forest.

49 4210 Rosa multiflora Thunb.

(50)

9 JUNE 1979. LAWRENCE Co, PA.
Plain Grove Township. Plain Grove Bog, N of Pa. Rte. 108 on Rd. 37050. Bog and adjacent woodland border. Twining over trees and shrubs.

50+ 4212 Lonicera dioica L.

17 JUNE 1979. ARMSTRONG Co., PA.
(50) (25)
Boggs Township. 4.3 km (2.7 mi) SW of Wayne Twp., and 8.3 km (5.2 mi) SSW of Mahoning ~~Twp~~ Creek on Pa. Rte. 28. Low wet woods & adjacent mixed deciduous slope

50 4213 Lindera benzoin (L.) Blume
26 4214 Fraxinus americana L. var. americana

18 JUNE 1979 JEFFERSON Co, PA.
(50) 25+
Mill Creek at the Union Twp. - Eldred Twp. line on PA Rte 949.

36 4215 Carpinus caroliniana Walt.
4216 Physocarpus opulifolius (L.) Maxim.

Mahoning Twp.

(50) 18 JUNE 1979 ARMSTRONG Co, PA. 1.6 km (1.0 mi) N of the Mahoning River on PA Rte. 28. S of Distant. ~~Mixed~~ Hemlock - mixed deciduous streamside forest.

50 4217 Sambucus pubens Michx.

(42) 3 JULY 1979. ~~CLINTON~~ CENTRE Co., PA. Huston Twp. 2.7 km (1.7 mi) SW of the Union Twp. line, and 6.6 km (4.1 mi) SW of Pa. Rte. 504 on US Rte 220, SW of Unionville. Disturbed area between highway and Railroad tracks

5 4218 Cornus amomum Mill.
Pith of second yr wood light brown; of 1st yr wood white

6 4219 Lonicera morrowii Gray

11/10 4220 Cornus racemosa Lam.

50 42 3 JULY 1979. CLINTON Co., PA. Allison Twp. 1.0 mi (1.6 km) SE of the Colebrook Twp. line on PA Rte. 120. NW of Lockhaven.

✓ [illegible] N, 77 39 W Elev. [illegible] ft. 230 m

50 4221 Acer pensylvanicum L.
Moist Maple - Birch slope

4222 Gaylussacia baccata (Wang.) K. Koch

3 JULY 1979. CLINTON Co., PA. Noyes Twp. 3.2 km (1.9 mi) SE of the Leidy Township line on road 15003, then 2.9 km (1.8 mi) N on Two Mile Run Road. At junction with Middle Branch Run Rd. W of Renovo. 41°[illegible]N, 77°42'N

4223 Betula lutea Michx. f.

4224 Ribes rotundifolium Michx.
just S of jct. with Middle Br. Run Rd.

4 JULY 1979. POTTER Co., PA. Stewardson Twp.; 1.1 km (0.7 mi) N of Pa. Route 144 along Cross Fork River, [illegible] of Cross Fork Village. Disturbed area and alluvial woods along river.

4225 Prunus virginiana L.
4226 Pinus sylvestris L.
4227 Crataegus [illegible] Jacq.
4228 Carpinus caroliniana Walt.

4 July 1979. Potter Co., PA. Same as above only 0.2 km (0.1 mi) N of Pa. Route 144.

1 4229 Sassafras albidum (Nutt.) Nees
2 4230 Diervilla ~~sessilifolia~~ lonicera Mill. ~~Buckl~~

9 July 1979. Crawford Co., PA.
50 Woodcock Township; NE of Meadville. 6.4 km (4 miles) N of Pa. Rte 198 W on Pa. Rte. 86, then 5 km (3.1 miles) East on highway 20070, then 0.2 - 0.4 km south, vicinity of "Corner Farm."

4231 Viburnum lentago L.

10 July 1979. Same as 4231

80x3 4232 Populus tremuloides Michx
4233 Sorbus melanocarpa (Michx.) Schneider
4234 Viburnum dentatum L. var. lucidum Ait.
(= V. recognitum Fern., Gray's Man. 8th ed.)

10 July 1979. Crawford Co., PA. Woodcock Twp; NE of Meadville

4235 Salix nigra Marsh
Shrub, ca. 4 m. tall.
14 JULY 1979. ALLEGHENY Co., PA.
Ohio Township. 0.16 km (0.1 mi) E of Interstate Rte. 79 on Mt. Nebo Rd.; then 1.6 km (1.0 mi) N on Red Mud Hollow Rd. NW of Pittsburgh, ENE of Sewickley.

4236 Rhamnus frangula L.
Disturbed woodland margin
4237 Celastrus orbiculatus Thunb.
Climbing over shrubs and trees, opening ~~disturbed area~~ in woodland.

19 JULY 1979. ALLEGHENY Co, PA.
FRANKLIN PARK Twp 1.6 km (1.0 mi) N of Mt. Nebo Rd. on McAleer Rd.; vicinity of jct of McAleer Rd. and Montgomery Rd., NNW of Pittsburgh, NE of Sewickley.

4238 Salix purpurea L.
Small to lg. shrub; ~~wet~~ ~~woodland~~ marsh margin. Lvs glaucous beneath.

(100) 22 JULY 1979. ALLEGHENY Co., PA.
Forward township. 1.0km (0.6 mi) NE of Pangborn Hollow Rd. on Road 02239; SE of the city of Elizabeth. Deciduous woods and clearings on the east side ~~4239~~ of the Monongahela River, along the Pittsburgh and Lake Erie Railroad tracks.

50 4239 Acer negundo L.

50 4240 Populus alba L.

24 JULY 1979. ~~OHIO~~ Co., WV.
0.8 km (0.5 miles) N of the bridge to Steubenville, and 1.8 km (1.1 mi) N of Archer Hill Rd., on W. Va. Rte. 2. North of Follansbee. Deciduous woods.

9 4241 Fraxinus americana L. var. americana

3 4242 Lindera benzoin (L.) Blume

4243 Kalmia latifolia L.
Dry oak - Kalmia slope.

24 July 1979. Ohio Co., WV. 0.8 km (0.5 miles) N of the Pike Island Locks and Dam on W. Va. Route 2. N of Wheeling. Shore of Ohio River

1 4244 Physocarpus opulifolius (L.) Maxim.

(50) 5 August 1979 Allegheny Co., PA. [illegible] (0.3 mi) on Thompson Run Rd. ([illegible]) Disturbed area along stream.

4245 Ligustrum

12 August 1979. Tucker Co. WV Dolly Sods Scenic Overlook. Elevation ca. 1500 meters. Mixed conifer-deciduous forest and shrub openings.

2 4246 Menziesia pilosa (Michx.) Jussieu

~~4247 Acer~~ pensylvanicum

(25) 12 AUGUST 1979. TUCKER Co., WV. 6.6 km (4.1 miles) W of U.S Forest Service Rd. 4 (Jordan Run Rd.) on U.S. " " " 75; E of Bear Rocks. Mixed deciduous forest. Elevation ca. 1200 meters.

24 4247 Ilex montana T. & G.

1 4248 Sambucus canadensis L.

4 4249 Hydrangea arborescens L.

(14) 12 AUGUST 1979. Pendleton Co., WV. 7.4 km (4.6 miles) N of the South Branch Potomac River on US Rte 220, between the town of Upper Tract and the Grant County line. Shale barren, thin forest of Pinus virginiana and Q. ilicifolia · Q. prinus

10 4250 Quercus ilicifolia Wang.

4 4251 Quercus prinus L.

(17) 12 AUGUST 1979. Pendleton Co 0.6 km (0.4 mi) E of the jct. of US Rte 33 and W.V. Rte 28 S on US Rte 33, NW of the city of Franklin. Rocky slope on the N side of the highway. ~~Forest of Quercus~~

~~+ mixed Pinus species~~ Elev. ca. 800 m.

4 4252 Betula lenta L.

6 4253 Tilia americana L.

4 4254 Quercus ilicifolia Wang.

3 4255 Tsuga canadensis (L.) Carr

13 August 1979. Same as 4252.

7 4256 Acer spicatum Lam.

13 August 1979. Pendleton Co., WV
0.64 km (0.~~4~~ mi) ~~#~~ S of state road
23 on state road 20; south of
the city of Franklin. Roadside.

3 4257 Acer pensylvanicum L.

4 4258 Aralia racemosa L.

13 August 1979 5.1 km (3.2 miles) SE of US Forest Service Rd. 85 (road to summit of Reddish knob) on FS Rd. 32; Geo. Wash. N.F. Mixed Tsuga canadensis - Pinus strobus forest.

3 4259 Pinus strobus L.

(5) 13 August 1979 Pendleton Co., WV. 4.3 km (2.7 mi) NE of U.S. Forest Service road 32 on Forest Service Road 85 (road to summit of Reddish knob). Dry Quercus forest.

4 4260 Pieris floribunda (Pursh) B. & H.

(6) 13 August 1979. Pendleton Co., WV. 10.1 km (5.8 mi) NE of U.S. Forest Service Road 32 on Forest Service Rd. 85 (road to summit of Reddish Knob.)

5 4261 Quercus rubra L.

1 4262 Amelanchier laevis Wieg.

13 August 1979. PENDLETON Co., WV 10.2 km (6.4 miles) SE of U.S. Forest Service Road 21 on Forest Service Rd. 25; N of Reddish Knob and ESE of the town of Sugar Grove. Quercus forest.

TOSS 4263 Ribes cynosbati L.

13 August 1979. Pendleton Co., WV. ~~10.3 km (6.2 miles) S of U.S. route 33 on State Road 21; south of the town of Brandywine~~

18 4264 Sassafras albidum (Nutt.) Nees

PENDLETON Co., WV. 5.6 km (3.5 mi) SE of US Forest Service Rd. 21 on Forest Service Rd. 25; N of Reddish Knob and ESE of the town of Sugar Grove.

(34) 19 AUGUST 1979. CARROLL Co., VA. 6.7 km (4.2 mi) N of Va. Rte. 620 on US Rte. 52, N of the town of Hillsville. 36° 47' N, 80° 45' W. Mixed pine-deciduous slope.

1 4265 Betula lenta L.
Bark gray

3 4266 Pinus virginiana Mill.

1 4267 Ostrya virginiana (Mill.) K. Koch

17 4268 Campanula divaricata Michx.

2 4269 Ambrosia artemisiifolia L.

4 4270 Berberis canadensis Mill.

5 4271 Polygonum sagittatum L.

(42) 20 AUGUST 1979. PATRICK Co., VA. 4.0 km (2.5 mi) N of the jct. of Va. Rte. 8 and US Rte 58 on Rtes. 8-58. Between Stuart and Cruzes Store.

4 4272 Rhododendron maximum L.

13 4273 Castanea pumila (L.) Mill.

3 4274 Vaccinium stamineum L. var. stamineum

2 4275 Rhododendron nudiflorum (L.) Torr.

8 4276 Cornus florida L.

1 4277 Oxydendrum arboreum (L.) DC.

11 4278 Alnus serrulata (Ait.) Willd.

(17) 21 August 1979. Johnston Co., NC.
✓ 0.6 km (0.4 mi) NW of US Rte. 70-A, and 2.2 km (1.4 mi) NW of the Wayne Co. line, on US Rte. 70. East side of Holts Pond.

1 4279 Rhus copallina L.

4 4280 Clethra alnifolia L. var. alnifolia

7 4281 Cyrilla racemiflora L.

4 4282 Callicarpa americana L.

1 4283 Magnolia virginiana L.

(14) 22 August 1979. Onslow Co., NC. 5.5 mi S of NC Rte. 41 on Co. Rd. 1003. S of Comfort, NE of Richland. Mixed pine-oak forest.

4 4284 Ilex glabra (L.) Gray

4 4285 Persea palustris (Raf.) Sarg.
(See 4298)

6 4286 Ilex coriacea (Pursh) Chapman

(11) 22 August 1979. Jones Co., NC. 1.0 mi NE of Co. Rd. 1003 on NC Rte. 41. NE of Comfort. Swamp forest.

4 4287 Berchemia scandens (Hill) K. Koch

5 4288 Itea virginica L.

2 4289 Quercus michauxii Nuttall

(45) 22 AUGUST 1979. CRAVEN Co., NC.
0.9 mi N of US Rte. 17 on Co. Rd. 1224 (road to Tuscarora). Margin of pine plantation.

4 4290 Clethra alnifolia L. var. alnifolia

3 4291 Rhus copallina L.

3 4292 Lyonia lucida (Lam.) K. Koch

5 4293 Symplocos tinctoria (L.) L'Her.

4 4294 Magnolia virginiana L.

3 4295 Ilex glabra (L.) Gray

6 4296 Myrica cerifera L. var. cerifera

5 4297 Cyrilla racemiflora L.

8 4298 Persea palustris (Raf.) Sarg.
(P. borbonia (L.) Spreng f. pubescens (Pursh) Fern. GM 8th ed)

4 4299 Evonymus americanus L.

(19) 23 August 1979. Jones Co., NC. 0.3 mi S of Co. Rd. 1105 on Davis Rd. Disturbed area cleared and drained for planting.

3 4300 Ilex glabra (L.) Gray

2 4301 Vaccinium crassifolium Andrews

5 4302 Lyonia lucida (Lam.) K. Koch

7 4303 Gordonia lasianthus (L.) Ellis

(9) 23 August 1979. Jones Co., NC. 0.6 km (0.4 mi) W of Co. Rd. 1105 on Forest Service Road 172 (Mirey Branch Rd.). Margin of pine plantation.

5 4304 Magnolia virginiana L.

4 4305 Cyrilla racemiflora L.

(40) 24 August 1979. Onslow Co., NC. 2.9 mi NE of NC Rte. 210 on Co. Rd. 1508. West Onslow Beach. Maritime forest and adjacent salt marsh. 34°30'N [illegible].

5 4306 Juniperus virginiana L.

4 4307 Quercus virginiana Miller

6 4308 Ilex vomitoria Aiton

2 4309 Myrica cerifera L. var. cerifera

2 4310 Gelsemium sempervirens (L.) Aiton f.

4 4311 Persea palustris (Raf.) Sarg.
See 4298

6 4312 Callicarpa americana L.

11 4313 Iva frutescens L.

(5) 24 August 1979. Onslow Co., NC. 0.9 mi N of Co. Rd. 1107 on US Rte 17. Edge of old field, adjacent to swamp forest. S of Jacksonville.

3 4314 ~~Chrysopsis~~ Heterotheca nervosa (Willd.) Shinners var. nervosa

2 4315 Betula nigra L.

(40) 24 August 1979. Onslow Co., NC. 4.5 mi S of US Rte 17 on NC Rte 210. SE of Dixon. Cut-over pine forest.

4 4316 Clethra alnifolia L. var. alnifolia

4 4317 Myrica heterophylla Raf.

8 4318 Ilex glabra (L.) Gray

4319 Myrica cerifera L. var. cerifera

1 4320 Magnolia virginiana L.

3 4321 Lyonia mariana (L.) D. Don

6 4322 Ilex coriacea (Pursh) Chapm.

5 4323 Lyonia lucida (Lam.) K. Koch

3 4324 Lyonia ligustrina (L.) DC.

1 4325 Sorbus arbutifolia (L.) Heyn. var. arbutifolia

1 4326 Persea palustris (Raf.) Sarg.
See 4298

1 4327 Cyrilla racemiflora L.

(10) 25 August 1979. Horry Co, SC. - Waccamaw River at SC Rte. 9.

2 4328 Quercus

4 4329 Quercus

1 4330 Quercus lyrata Walt.

1 4331 Cyrilla racemiflora L.

2 4332 Cephalanthus occidentalis L.

(28) 26 August 1979. Colleton Co, S.C. 0.3 mile S of Exit 42, Interstate Rte. 95, on US Rte 21. Quercus laevis - Pinus palustris woods.

2 4333 Quercus incana Bartram

9 4334 Quercus laevis Walt.

1 4335 Vaccinium arboreum Marshall

2 4336 Quercus margaretta Ashe

2 4337 Castanea pumila (L.) Miller

12 4338 ~~Pinus~~ Quercus virginiana Miller

(8) 26 AUGUST 1979. BEAUFORT Co., SC. 3.6 mi N of SC Rte. 116 on US Rte. 21. NW of Beaufort. Salt marsh.

5 4339 Iva frutescens L.

(22) 27 AUGUST 1979. JASPER Co., S.C. 0.2 mi N of Co. Rd. S 27-101 (road to Mitchellville) on U.S. Rte. 17. Just S of Ridgeland. Marshy area between road and RR tracks.

12 4340 Myrica cerifera L. var. cerifera

9 4341 Taxodium ascendens Brongn.

2 4342 Ilex cassine L. var. myrtifolia (Walt.) Sargent

(41) JASPER Co., SC. 0.5 mi N of US Rte 17-Alt. on SC Rte. 170-Alt. Low marshy area & low mixed woods

17 4343 Decadon verticillatus (L.) Ell.

3 4344 Vaccinium arboreum Marshall

1 4345 Quercus virginiana Miller

1 4346 Vaccinium amoenum Ait.

1 4347 Lyonia lucida (Lam.) K. Koch

6 4348 Quercus nigra L.

1 4349 Sorbus arbutifolia (L.) Heyn. var. arbutifolia

3 4350 Wisteria frutescens (L.) Poir.

1 4351 Styrax grandifolia Ait.

1 4352 Cephalanthus occidentalis L.

6 4353 Nyssa sylvatica Marshall var. biflora (Walt.) Sargent

(24) 27 AUGUST 1979. JASPER Co., NC.
9.2 mi S of SC 336 on US Rte. 17.
Stream edge.

2 4354 Bulbostylis stenophylla (Ell.) Clarke

2 4355 Polygala grandiflora Walter

10 4356 Populus heterophylla L.

10 4357 Ampelopsis arborea (L.) Koehne

(10) 27 AUGUST 1979. JASPER Co., NC.
2.5 mi N of SC Rte 46 on US Rte.
17. N of Hardeeville.

4 4358 Pinus serotina Michx.

3 4359 Lonicera japonica Thunb.

2 4360 Rhus copallina Michx.

1 4361 ~~Mimosa~~ Albizia julibrissin Durazzini

EMANUEL Co., GA.

(29) 28 AUGUST 1979. 0.8 mi S of Interstate Rte. 16 on US Rte 1. Alluvial forest along the Ohoopee River.

4 4362 Quercus nigra L.

2 4363 Vaccinium arboreum Marshall

2 4364 Viburnum obovatum Walter

2 4365 Crataegus marshallii Eggl.

6 4366 Sebastiania ligustrina (Michx.) Muell.-Arg.

1 4367 Myrica cerifera L. var. cerifera

5 4368 Quercus

2 4369 Cephalanthus occidentalis L.

1 4370 Ilex glabra (L.) Gray

2 4371 Rhododendron canescens (Michx.) Sweet

2 4372 Cyrilla racemiflora L.

(16) 28 AUGUST 1979. CANDLER Co., GA. 1.5 mi E of the Emanuel Co. line on Ga. Rte. 46. Dry oak-pine woods.

(3 4373 Quercus laevis Walt.

1 4374 Pinus palustris Miller

1 4375 Chrysobatanus oblongifolius Michx.
Det. R.D. Whitstone + C.T. Nixon 1982 Licania michauxii Prance

3 4376 Quercus margaretta Ashe

6 4377 Quercus incana Bartr.

2 4378 Albizia julibrissin Durazzini
Mimosa

(44) 29 AUGUST 1979. MADISON Co., GA South Fork Broad River along US Rte. 29, 1.3 miles S of Ga. Rte. 98. Just S of Danielsville.

1 4379 Boehmeria cylindrica (L.) Swartz

3 4380 Penthorum sedoides L.

6 4381 Acalypha rhomboidea Raf.

4 4382 Acalypha ostryaefolia Riddell

14 4383 Phyllanthus caroliniensis Walter

3 4384 Pilea pumila (L.) Gray

3 4385 Betula nigra L.

3 already pulled for UM 4386 Ligustrum

2 4387 Cassia fasciculata Michx.

3 4388 Crataegus flabellata (Bosc) K. Koch

1 4389 Halesia carolina L.

1 4390 Ulmus alata Michx.

(11) ✓ 29 AUGUST 1979. ANDERSON Co., SC. 3.2 km (2.0 mi) S of South Carolina Rte. 412 on US Rt. 29; near the south end of Lake Hartwell. Xeric woods.

3 4391 Ilex opaca Aiton

3 4392 Vaccinium arboreum Marshall

5 4393 Satureja georgiana (Harper) Ahles

1 (47) 30 AUGUST 1979. ANDERSON Co., SC. South side of US Rte. 29 along the Savannah River; S end of Lake Hartwell.

3 4394 Quercus nigra L.

River's edge

12 4395 Satureja georgiana (Harper) Ahles

xeric woodland margin

3 4396 Rhododendron minus Michx.

7 4397 Euonymus americanus L.

8 4398 ~~Betula~~ Alnus serrulata (Ait.) Willd.

1 4399

5 4400 Leucothoe axillaris (Lam.) D. Don var. editorum (Fern. & Schub.) Ahles

2 4401 Oxydendrum arboreum (L.) DC.

3 4402 Rhododendron nudiflorum (L.) Torr. det DEB

3 4403 Cornus florida L.

(7) 31 August 1979. Greenville Co., SC. 1 km (0.6 mi) E of the Anderson County line on SC Rte. 8. East of [illegible]. Heavily disturbed area.

1 4404 Pinus virginiana Miller

(44) 31 August 1979. Oconee Co., SC. 0.5 km (0.3 mi) E of the Chauga River on US Rte 123, then 2.2 km (1.4 mi) on unnamed road, then W 2.2 km (1.4 mi) on another unnamed road; W side of the Chauga River; W of Westminister.

5 4405 Lespedeza bicolor Turcz.

1 4406 Alnus serrulata (Aiton) Willd.

5 4407 Pycnanthemum incanum (L.) Michx. subsp. loomisii (Nutt.) Hamer (ind.)

2 4408 Phryma leptostachya L. Det J.J. Homes

1 4409 Euonymus americanus L.

6 4410 Vaccinium arboreum Marshall

13 4411 Cornus florida L.

3 4412 Celtis occidentalis L. var. georgiana (Small) Ahles

3 4413 Hydrangea arborescens L. ssp. arborescen

1 4414 Ligustrum sinense Lour. det DEB

6 4415 Crataegus uniflora Muenchh.

1 4416 Cornus stricta Lam. (= C. foemina Mill.)

1 4417 Cephalanthus occidentalis L.

(3) 2 SEPT. 1979. OCONEE Co., SC. 4.6 km (2.9 mi) WNW of US Rte 123 on Co. Rd. S-37-68; along the Tugaloo River. W of Westminister, SC.

3 4418 Paulownia tomentosa (Thunb.) Steudel

(17) 3 SEPTEMBER 1979. HAYWOOD Co., NC. 2.2 km (1.4 mi) S of Sunburst Recreation Area on NC Rt. 215; along the west fork of the Pigeon River. Elevation ca. 1000 m.

7 4419 Rhododendron maximum L.

7 4420 Clethra acuminata Michx.

3 4421 Hydrangea arborescens L. ssp. arborescens

(38) 3 SEPTEMBER 1979. MADISON Co., NC. 0.15 - 0.8 km (0.1 - 0.5 mi) SW of State Rte. 212 on US Forest Service Rd. 275; SW of Rocky Fork, TN. Elev. ca. 1300 m.

2 4422 Tsuga canadensis (L.) Carr.

5 4423 Sassafras albidum (Nutt.) Nees

3 4424 Betula alleghaniensis Britt.

3 4425 Campanula divaricata Michx.

6 4426 Impatiens pallida Nutt.

6 4427 Impatiens capensis Meerb.

3 4428 Vernonia gigantea (Walt.) Trel.
(= V. altissima Nutt.)

10 4429 Clematis virginiana L.

(41) 4 SEPTEMBER 1979. SMYTH Co., VA.
0.15 km (0.1 mi) SW of Va. Rte.
659, and 0.5 km (0.3 mi) SW of
US Rte 11, on Va. Rte. 660; S of
Marion. Roadside and RR tracks.

5 4430 Erechtites hieracifolia (L.) Raf.

1 4431 Lonicera japonica Thunb.

6 4432 Gaura biennis L.

2 4433 Echium vulgare L.

15 4434 Euphorbia maculata L.

2 4435 Impatiens capensis Meerb.

2 4436 Ligustrum

8 4437 Satureja vulgaris (L.) Fritsch.

(5) 4 SEPT. 1979. Smyth Co., Va. Vicinity of the jct. of Va. Rte. 682 and US Rte. 11; SW of the town of Groseclose. Along RR tracks.

5 4438 Hedeoma pulegioides (L.) Pers.

(24) 4 SEPTEMBER 1979. WYTHE Co., VA. 2.6 km (1.6 mi) S of the Bland Co. line on US Rte. 52; Walker Mtn. N of Wytheville. Xeric Quercus forest.

1 4439 Nyssa sylvatica Marshall var. sylvatica

4 4440 Castanea pumila (L.) Miller var. pumila

3 4441 Gaylussacia baccata (Wang.) K. Koch

5 4442 Vaccinium vacillans Torrey

5 4443 Sassafras albidum (Nutt.) Nees

No.

Identification list of Salix, collected by W. E. Wood and D. E. Boufford. (Det. by G. Murata)

✓3937	Salix sachalinensis Fr. Schum.
✓3862	"
✓3748	S. vulpina Andersson
✓3897	S. sieboldiana Blume
✓3659	S. alopochroa Kimura
✓3936	S. petsus Kimura
19748	S. subfragilis Andersson
✓3690	S. serissaefolia Kimura
✓3907	S. rorida Lacksch.

SUMMARY FOR 1979:

SETS OF 50:

29 sets of 50 (4203, 4205-4213; 4216-4217; 4221-4223, 4225; 4231-4240; 4243, 4245) - collected in PA & NV

996 specimens (267-CM; 731-EX) collected in SE US, spring, 1979

485 specimens (211-CM, 774-EX) collected in E US, summer/fall, 1979.

Total: Specimens for CM: 447
for EX: 2984

DB 1347 #5

56.0 - ~~Elma~~, Dryop?, Sambucus pubens
Armstrong Co., PA

57.0 - Mahoning River

1.0 mi N of the Mahoning R on PA Rte 28. S of Distant.

31728 - end
31490 - Begin trip 6/17/79
238.

41.1 - Skunk cab, Lindira Boggs Twp.
Just N of Baum on PA Rte 28 - Armstrong Co.
43.8 - Enter Wayne Twp.
46.3 - Mahoning Cr., Mahoning Twp.

01.8 - Dennstaedtia Jefferson Co, PA
PA Rte 36, N of Sigel
04.1 - 899 mi S of PA Rte 899 on PA Rte 36.
1.8
2.3
Twp S of Barnett Twp

6/18
Mill Creek at the Union Twp - Eldred Twp line on PA Rte 949 Jefferson Co.

* 33006 → 37.1 Gillenia
37.5 - #334 - McDowell Rd.
Jeff. Co. N of Summerville.
39.5 - Jct 28
41.3 - Clarion Co. line

8/28 27.5 - C. quad, Azu
33.8 - leave Okoppe-cho / enter 43.4 Nishiokoppe

41.7 Okoppe Stop #2 - Torisusu, C. hybrid
at Sakohashi Bridge
49.8 Kamiokoppe